

ABC Project Highlights

Project Name: I-80; Two Bridges Near Echo Junction

Project #/PIN #: F-I80-4(120)165 / 7150

Year Constructed: 2009

ABC Element(s): Precast Superstructures

Placement Method: Slide-in

Contracting Method: Design-Build

Project Description: The scope of this project was to replace two bridges near Echo Junction on I-80. The contractor constructed the substructure elements within the existing bridge footprint and the superstructures were built to the side. Teflon pads and a hydraulic system were used to slide the bridges into place. This project was the first in which the approach slabs were slid in along with the main span. The main span is approximately 80 feet in length; the construction cost was 60% of the engineers estimate; with a total construction time of 5 months. The permitted closure time was 16 hours. The decision was made to use the Design-Build method to benefit from contractor innovation. UDOT imposed incentives and disincentives of \$7,500 per 15 minutes with a maximum incentive of \$150,000.







